

Title of Material: _____

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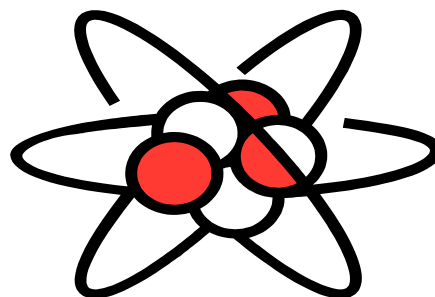
Reviewer: _____

Percentage of Standards: _____

Grade Two--possible 33 (content knowledge & skills)
(Number of Yes checks divided by 33 = percentage)

Idaho Achievement Standards

Science for **Grade Two**



557 SCIENCE STANDARDS – GRADE 2, SECTIONS 558 THROUGH 568.

The samples associated with the content standards are meant to illustrate meaning and to represent possible areas of applications. They are not intended to be an exhaustive list, but are samples of applications that would demonstrate learning.

558 UNIFYING CONCEPTS OF SCIENCE.

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand concepts and processes of evidence, models, and explanation	a. Explore the concepts of observation and data collection.	Indicate Page No	
	b. Explore and use various models.	Indicate Page No	
02. Understand constancy, change, and measurement.	a. Understand that changes occur and can be measured.	Indicate Page No	
	b. Measure in standard and non-standard systems.	Indicate Page No	
03. Understand the theory that evolution is a process that relates to the gradual changes in the universe and of equilibrium as a physical state.	a. Understand the concepts of past, present, and future.	Indicate Page No	
04. Understand concepts of form and function.	a. Identify shape and use of objects.	Indicate Page No	

559 CONCEPTS OF SCIENTIFIC INQUIRY.

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand scientific inquiry and develop critical thinking skills.	a. Brainstorm questions that can be investigated.	Indicate Page No	
	b. Make observations.	Indicate Page No	
	c. Use various tools to gather information.	Indicate Page No	
	d. Explore information and evidence.	Indicate Page No	
	e. Use observations to make guesses.	Indicate Page No	
	f. Communicate observations.	Indicate Page No	

560 CONCEPTS OF PHYSICAL SCIENCE

Standards - The student will:	Content Knowledge and Skills:	YES	NO
01. Understand the structure and function of matter and molecules and their interactions.	a. Know that objects have combinations of properties.	Indicate Page No	
	b. Recognize and classify matter as a solid, liquid, or gas.	Indicate Page No	
	c. Recognize that matter can change states (solid, liquid, gas).	Indicate Page No	
02. Understand concepts of motion and forces.	a. Explore the position and motion of objects.	Indicate Page No	
	b. Explore different kinds of energy.	Indicate Page No	

561. CELLULAR AND MOLECULAR CONCEPTS.

Cellular and Molecular concepts standards do not apply at this grade level.

562. INTERDEPENDENCE OF ORGANIZMS AND BIOLOGICAL CHANGE.

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand the theory of biological evolution.	a. Observe and explore the life cycles of plants and animals and their basic needs.	Indicate Page No	
	b. Recognize that animals live in different habitats for which they are suited.	Indicate Page No	

563. MATTER, ENERGY, AND ORGANIZATION IN LIVING SYSTEMS.

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand the relationship between matter, energy, and organization to trace matter as it cycles and energy as it flows through living systems and between living systems and the environment.	a. Understand that living things need food to survive.	Indicate Page No	

564. EARTH AND SPACE SYSTEMS.

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand scientific theories of origin and subsequent changes in the universe and earth systems.	a. Identify the four seasons and their characteristics.	Indicate Page No	
	b. Understand the characteristics of different weather conditions.	Indicate Page No	
02. Understand geo-chemical cycles and energy in the earth system.	a. Explore evaporation and precipitation.	Indicate Page No	

565. TECHNOLOGY.

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand the relationship between science and technology and develop the abilities of technological design and application.	a. Distinguish between natural objects and objects made by humans.	Indicate Page No	
	b. Recognize that people have invented tools for everyday life and for scientific investigations.	Indicate Page No	
	c. Create a tool to perform a specific function.	Indicate Page No	
	d. Use available and appropriate technology.	Indicate Page No.	

566. PERSONAL AND SOCIAL PERSPECTIVES.

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand common environmental quality issues, both natural and human induced.	a. Identify the characteristics of the local environment.	Indicate Page No	
02. Understand the importance of natural resources and the need to manage and conserve them.	a. Understand the concept of recycling.	Indicate Page No	
	b. Understand the conservation of natural resources.	Indicate Page No	

567. HISTORY OF SCIENCE

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand the significance of major scientific milestones.	a. Understand major contributions of various scientist and researchers.	Indicate Page No	

568. INTERDISCIPLINARY CONCEPTS.

Standard – The student will:	Content Knowledge and Skills:	YES	NO
01. Understand that interpersonal relationships are important in scientific endeavors.	a. Learn appropriate cooperation and interaction skills.	Indicate Page No	
02. Understand technical communication.	a. Understand and follow instructions.	Indicate Page No	